



2020 West El Camino Avenue, Suite 800
Sacramento, CA 95833
hcai.ca.gov



Hospital Building Safety Board Education and Outreach Committee

AGENDA

February 13, 2025
10:00 a.m. – 4:00 p.m.

The Committee may not discuss or act on any matter raised during the public comment section that is not included on this agenda, except to place the matter on a future meeting agenda. (Government Code §§ 11125, 11125.7, subd. (a).)

Locations:

[2020 West El Camino Ave, Conference Room 930, Sacramento, CA 95833](#)
[355 South Grand Avenue, Conference Room 2000, Los Angeles, CA 90071](#)
[Teams Meeting Access](#); Meeting ID: 291 126 420 19; Passcode: fw23M3oQ
Call in: (916) 535-0978; Phone Conference ID: 820 044 493#

- Item #1 Call to Order and Welcome
Facilitator: Scott Mackey, AIA, NCARB, APEC, Healthcare Design Consultant; Committee Chair (or designee)
- Item #2 Roll Call and Meeting Advisories/Expectations
Facilitator: Veronica Yuke, Manager, HCAI; Executive Director (or designee)
- Item #3 Coordination and cooperation with the Instrumentation Committee to develop webinars, workshops, and other educational opportunities to advance utilization of Structural Health Monitoring by hospitals using seismic instrumentation.
 - Discussion and public input*Facilitator: Courtney B. Johnson, PG, CEG, Principal Geologist, Slate Geotechnical Consultants, Board Member (or designee)*
- Item #4 Update on the *Policy Intent Notice (PIN) 50 – Integrated Review* webinar
 - Request for additional training sessions
 - Focus on advanced functions of e-portal with live demonstration
 - Discussion and public input*Facilitator: Diana Navarro, Supervisor, HCAI (or designee)*

Item #1

Call to Order and Welcome

*Facilitator: Scott Mackey, AIA, NCARB, APEC, Healthcare Design
Consultant; Committee Chair (or designee)*

Item #2

Roll Call and Meeting Advisories/Expectations

Facilitator: Veronica Yuke, HCAI; Executive Director (or designee)

Item #3 Coordination and cooperation with the Instrumentation Committee to develop webinars, workshops, and other educational opportunities to advance utilization of Structural Health Monitoring by hospitals using seismic instrumentation.

- Discussion and public input

*Facilitator: Courtney B. Johnson, PG, CEG, Principal Geologist,
Slate Geotechnical Consultants, Board Member (or designee)*

Seismic Instrumentation of Healthcare Facilities

A White Paper on the Usefulness and
Benefits of Seismic Instrumentation of
Healthcare Facilities

By the
Hospital Building Safety Board
Instrumentation Committee

Presented to
California Department of Health Care Access
and Information (HCAI)

October 26, 2023

Highlights:

- Status of HCAI instrumentation
- Outlines benefits of hospital instrumentation
- Maximizing efficiencies in instrumentation, data processing, and results transmission
- Recommendations for outreach

Instrumentation Committee Outreach

- *Objective:* Promote instrumentation of hospital buildings throughout the state. To increase understanding of how instrumentation and data processing can reduce delays in making judgements on structural health of buildings and supporting systems following an earthquake.
- *Audiences:*
 - Owners, emergency responders, decision-makers
 - Professional engineering and scientific communities
 - Interested members of the public
- *Approach:* Informational messaging and engagement tailored to each audience.

Webinar Topics

- *Premise*: Build on the 2023 instrumentation white paper
- Seismic instrumentation and data processing:
 - Using systems in place
 - Advances in technology – impact to costs, installation, sophistication of data collection, timeliness
 - Selection of instrumentation system
- Structural health monitoring
 - Reducing delays in decision making around providing health care services following an earthquake
 - Identifying structural and non-structural areas of distress

Item #4

Update on the Policy Intent Notice (*PIN*) 50 – *Integrated Review* webinar

- Request for additional training sessions
- Focus on advanced functions of e-portal with live demonstration
- Discussion and public input

Facilitator: Diana Navarro, Supervisor, HCAI (or designee)

Item #5

Follow up from the *Preapproved Fabricated Components & Systems* webinar held on June 25, 2024

- Coordinate follow-up webinar to address unresolved technical questions
- Focus on seismic compliance and real-world case studies
- Discussion and public input

Facilitator: Scott Mackey (or designee)

Item #6

Update on the *Inspect-to-Pass Approach to Field Inspections* Webinar Development Subcommittee

- Subcommittee:
 - Cody Bartley, Michael Davis, Gary Dunger, Joe LaBrie, and Scott Mackey
- Fold this concept into the new Inspector of Record (IOR) training programs
- Include definitions for the difference between inspection and observation
- Include case studies and interactive discussion opportunities
- Discussion and public input

Facilitator: Michael Davis, CHI, Senior Consultant, DavisHBC, Inc.;
Committee Member (or designee)

Item #7

Update on PINs, Code Advisory Notices (CANs), and Advisory Guides

- Coordinate a webinar to roll out the PINs, CANs, and Advisory Guides
- Focus attention on microgrids and temporary structures
- Discussion and public input

Facilitator: Mia Marvelli, Architect, Supervisor, HCAI (or designee)

CANs/PINs/Guides/Webinars

The Building Standards Unit (BSU),
in collaboration with other units,
has published the following
CANS/ PINS/ Guides/ and Webinars

<https://hcai.ca.gov/facilities/building-safety/codes-and-regulations/#cans-pins-faqs>
<https://hcai.ca.gov/facilities/building-safety/resources/building-safety-construction-webinars/>

Seismic Compliance Unit Webinar Series

SEISMIC GRANT: Small and Rural Hospital Relief Program

February 20, 2025, 10:00 a.m. – 12:00 p.m.

- State grant funding to advance seismic resiliency improvements for small, rural and critical access hospitals.
- Facility eligibility details
- Eligible seismic projects
- Additions to the program due to AB 869
- Walkthrough of the application process

Information on the HCAI OSHPD Webinar page: <https://hcai.ca.gov/facilities/building-safety/resources/building-safety-construction-webinars/>

Seismic Compliance Unit Webinar Series

Continued...

March 4, 2025 - Seismic compliance plan and extensions beyond the 2030 deadline
(New regulations in the CA Administrative Code)

March 18, 2025 - NPC compliance

April 2, 2025 - SPC compliance

Information on the HCAI OSHPD Webinar page: <https://hcai.ca.gov/facilities/building-safety/resources/building-safety-construction-webinars/>

CANs/PINs/Guides/Webinars

Published

CAN 2-407.2.2 Nurse Stations

- Revised to update code citations to the 2022 edition of Title 24. References to 1224.4.4.2 Anteroom were removed because the section was not germane to this CAN. References to 1228.4.4.2 were also removed because this section was repealed and reserved for future use in the 2021 Triennial Code Adoption Cycle. Item D was amended and is now clarified in CAN 2-1224.4.4.4 – Self-contained Medicine Dispensing Unit.

CAN 2-1224.4.4.4.2 Self-contained Medicine Dispensing Unit

- Issued to clarify the appropriate code requirements that apply to the location, quantity, and size of self-contained Medication Dispensing Units (MDU).

CAN 2-302.2 Use Designation (subordinate uses)

- Published to clarify the definition of subordinate uses as it pertains to use designation and when accessory occupancies should be considered.

<https://hcai.ca.gov/facilities/building-safety/codes-and-regulations/#cans-pins-faqs>

CANs/PINs/Guides/Webinars

Published

- ❑ **PIN 74 Skilled Nursing Facility (SNF) alternate source of power to maintain safe temperatures, maintain availability of life-saving equipment, and maintain oxygen-generating devices**
 - ❑ Revised to add the newly enacted Senate Bill 1511 information. The Senate Bill changed the compliance date to January 1, 2026.

- ❑ **PIN 51 Use of HCAI Pre-Approved Details**
 - ❑ Revised to clarify stamping and signing requirements for design professionals when incorporating OPDs into their projects. A new section, “Facility Specific Preapproved Details”, was also added to the PIN.

- ❑ **PIN 78 Fire Pump Automatic Transfer Switches**
 - ❑ Published to provide guidance on requirements in the California Electrical Code, Article 695 Fire Pumps, Section 695.3(G), that requires the Fire Pump Automatic Transfer Switches (ATS) be listed for fire pump service and bypass isolation type. This PIN indicates that bypass isolation type will not be required.

- ❑ **PIN 79 Tier 4 Generators**
 - ❑ Published to provide guidance on the use of emission system-controlled engine shutdown provisions mandated by the Environmental Protection Agency (EPA) for Tier 4 Level 1 emergency generators. This PIN prohibits the use of emission system-controlled engine shutdown controls on Tier 4, Level 1 emergency generators.

CANs/PINs/Guides/Webinars

Published

- ❑ **Advisory Guide A4 – Acute Psychiatric Hospitals**
 - ❑ Structural requirements, Basic and Supplemental Services, and Mechanical, Electrical and Plumbing requirements are updated in Section 4.
- ❑ **Advisory Guide A6 – Alternate Source of Power to Maintain Safe Temperatures, Life-saving Equipment, and Oxygen-generating Devices**
 - ❑ Revised to add the newly enacted Senate Bill 1511 information. The Senate Bill changed the compliance date to January 1, 2026.
- ❑ **Advisory Guide A13 – NPC Upgrade Construction Process for Existing Ceilings and Above Ceiling Utilities**
 - ❑ Published to minimize disruption and expedite NPC upgrade construction for components at or above ceilings.
- ❑ **Advisory Guide A12 – Weather Protection for Interior Gypsum Wallboard**
 - ❑ Issued to replace CAN 2-2508.2.1 Weather Protection for Gypsum Wallboard. This Guide assists the designer and builder regarding acceptable methods of providing weather protection for gypsum wallboard installation prior to the building being “weathered in”.

<https://hcai.ca.gov/facilities/building-safety/resources/training-education/>

CANs/PINs/Guides/Webinars

Coming Soon

- PIN 77 Structural Steel QA/QC Ready for Processing
- CAN 9-901.7 Fire Watch
- Advisory Guide A7 – Microgrids
- Advisory Guide 10 – Class 1, 2, & 3
- Advisory Guide A11 – Engineering Judgements **(Previously CAN 2-703.3 Engineering Judgements)**
- Advisory Guide A14 – Remodel **(Previously CAN 2-102.6 Remodel)**
- Advisory Guide XX – Functional Programs **(see item 11c)**

Item #8

Update on a Program Flex Unit collaboration with California Department of Public Health (CDPH)

- Explore the opportunity to prepare a webinar on a Joint OSHPD/ CDPH Program Flex Unit definition
- Discussion and public input

Facilitator: Scott Mackey (or designee)

Item #9

Update on exploring the opportunity to develop a Small and Rural Hospital Relief Program webinar

- Webinar focus would be on process, funding sources, and example of how to submit application
- Possible creation of a subcommittee
- Discussion and public input

Facilitator: Scott Mackey (or designee)

Item #10

Update on the creation of a Sustainability Guide for dealing with extreme natural hazard events

- Creation of a subcommittee to explore this opportunity
- Define purpose of subcommittee and goals for the Guide with possible subsequent webinar/seminar
- Discussion and public input

Facilitator: Scott Mackey (or designee)

Item #11

Update on the development of future educational programs:

- a. Classification of imaging procedures into Class 1, 2, and 3
- b. Tips on how to work with HCAI in the field
- c. How to write a Functional Program and Operational Program, and how to make it easy for CDPH to approve
 - Teresa Endres
 - Kelly Martinez
- d. Develop a formal design-professional mentorship program with HCAI
 - Teresa Endres
 - Kelly Martinez
- e. Initiate the planning of a 2025 educational seminar
 - Scott Mackey
 - Jim Malley
- f. Extend the outreach program to educate the public on the difference between HCAI and OSHPD
 - Teresa Endres
 - Richard Tannahill
- g. Discussion and public input

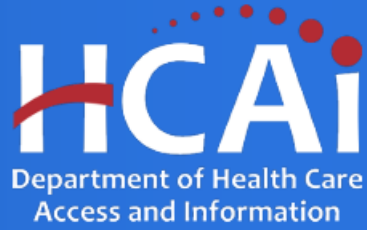
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New Advisory Guide Updates

How to write a Functional and Operational
Program

February 13, 2025

New advisory guide structure

- Introduction
- Table of Contents
 - ✓ Code References
 - ✓ Acronym and Definition
 - ✓ Overview
 - ✓ Some Helpful Hints
 - ✓ Checklist
 - ✓ May have a few successful examples

The intent of this guide

Assist the facilities to develop an effective functional program that includes all the required elements for the proposed project.

An effective functional program must concisely reflect the proposed project (i.e. should not get a 100-page FP for a CT equipment replacement).

Included in the Guide

- Pointers to Title 24 and associated Title 22 regulations
- Related Advisory Guides, CANs and PINs, and other resources
- Helpful Hints
- A CAC 7-119 checklist (may include a fillable checklist)
- Considering a few successful examples (redact sensitive information, may have copyright or confidentiality concerns)

Helpful Hints: Topics we have so far...

1. Separate functional programs (pharmacy, dietetic, etc.)
2. Imaging room
3. Scope Process Department
4. Psychiatric units or hospital projects
5. Emergency department
6. Mobile units
7. Floor plans and compliance diagrams
8. Construction project phasing and licensing considerations
9. Remodel with a change in function
10. AMC/Program flex

Some timelines

- The subcommittee is working with BSU team to add more content and determine the best examples.
- Subcommittee final review will be complete by 3/1/2025
- Submit to CDPH for their concurrence 3/15/2025
- Present to the E&O meeting on 4/23/2025 and get approval.
- Finalize and post to web 10/1/2025

Questions?

Or

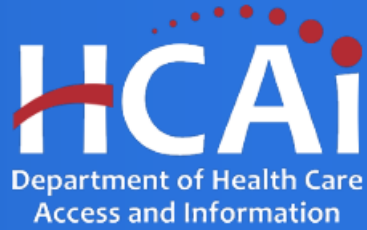
Suggestions?

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Hospital Building Safety Board (HBSB) 2025 “Road Show”

by

HBSB COMMITTEE MEMBER
Teresa Endres, AIA, ACHA, EDAC, AAH

OSHPD STAFF
Richard Tannahill, Deputy Division Chief

Agenda

Agenda for the OSHPD + HBSB “Road Show” is intended to provide attendees with information about HCAI they may not know, like all the data & visualizations that are available for healthcare facilities & strategists when making programming & design decisions. We will also share out the purpose, structure, and activities of the HBSB, as well as updates on recent manuals, advisory guides, internal studies, etc.

- HCAI Org Chart – HCAI, OSHPD, HBSB
- HCAI, more than Facility Design & Development
- What is the Hospital Building Safety Board
- What’s Happening at HBSB

Agenda

- HCAI Org Chart – HCAI, OSHPD, HBSB
 - OHCA Board slides on healthcare spending, healthcare cost, etc.
- HCAI, more than Facility Design & Development
 - Office of Health Care Affordability
 - HCAI Data - *Hospital Equity Measures Reporting Program*
 - HCAI Data & Reports – Visualizations
- What is the Hospital Building Safety Board
 - About the HBSB
 - Board Members + OSHPD Staff
 - Committees + committee goals
 - Recent Meeting Topics (this is an opportunity for a share-out on current HBSB topics)
- What's Happening at HBSB
 - Inform attendees that HBSB board & committee meetings are open to the public
 - Overview of what happens at the HBSB full board meeting
 - OSHPD Advisory Guides & Manuals
 - Webinars
 - Construction Administration Proficiency (CAP) Training and Certification
 - PINs, CANs
 - And More...

HCAI - OHCA & Beyond OSHPD

- Inform attendees that HCAI is more than just facility design & development
- Overview of OHCA
- HCAI data, reports, visualizations

HCAI Office of Health Care Affordability

March 21, 2023

HCAI Overview
 HCAI is the Office of Health Care Planning and Management in the Governor's Office of Health Care Affordability in California.

U.S. Health Care Spending as Share of GDP
 In 2021, the U.S. spent about 17% of GDP on health care, up from about 13% in 2000.

CA Workers Bear the Burden of Increasing Health Care Costs
 Health care costs are rising faster than wages in California, putting a strain on workers' ability to pay for care.

High Health Care Costs Are Disproportionately Affecting Black and Latino Californians
 Black and Latino Californians pay more for health care than white Californians.

Black and Latino Residents Are More Likely to Skip Care Due to Costs
 Black and Latino Californians are more likely to skip care due to costs than white Californians.

HCAI Program Areas
 • Analyze health care costs and identify ways to reduce them.
 • Promote high-value care and reduce waste.
 • Support patients and providers in making better choices.
 • Monitor and report on health care costs and quality.

Compared to Other Healthy Countries, U.S. Spends Substantially More For These Outcomes
 The U.S. spends more on health care than other countries for similar health outcomes.

Over the Past Two Decades Family Expenditures Quadrupled
 Family health care expenditures have increased significantly over the past two decades.

<https://www.hcai.ca.gov/press-releases/2023/03/21/HCAI-Office-of-Health-Care-Affordability-Report-March-21-2023.pdf>

HCAI Office of Health Care Affordability

March 21, 2023

U.S. Has Highest Rate of Infant and Maternal Deaths Among OECD Countries
 The U.S. has the highest rate of infant and maternal deaths among OECD countries.

High Health Care Costs Are Disproportionately Affecting Black and Latino Californians
 Black and Latino Californians pay more for health care than white Californians.

Black and Latino Residents Are More Likely to Skip Care Due to Costs
 Black and Latino Californians are more likely to skip care due to costs than white Californians.

Key Components
 • Slow Spending Growth
 • Promote High Value
 • Assess Market Consolidation

Slow Health Care Spending Growth
 Health care spending has grown faster than the economy in California.

Promote High Value System Performance
 High-value care focuses on preventing illness and promoting health.

<https://www.hcai.ca.gov/press-releases/2023/03/21/HCAI-Office-of-Health-Care-Affordability-Report-March-21-2023.pdf>

HCAI – Beyond Facility Design & Development

HCAI Data July 12, 2024

Hospital Equity Measures Reporting Program
<https://www.hcai.ca.gov/press-releases/2024/07/12/hospital-equity-measures-reporting-program>

HCAI is in the process of developing an important new public reporting program made to address healthcare disparities for vulnerable populations, and you have an opportunity to weigh in.

The Hospital Equity Measures Program will collect equity reports from California hospitals and then post those reports to the HCAI website. These reports will include measures on patient access, quality, and outcomes by race, language, disability status, sexual orientation, gender identity, and payor. The first reports will be submitted by California hospitals in 2025.

HCAI is in the process of establishing regulations for specifying the measures, data formats, and more. During the public comment period, members of the public are encouraged to provide their input to help inform this process. Read the proposed rule and learn how to submit your comment: <https://www.hcai.ca.gov/about/health-care-equity-measures-reporting-program>. All comments must be received by 5:00 p.m. on August 13, 2024.

HCAI convenes the Hospital Equity Measures Advisory Committee, which meets regularly, and is open to the public. This diverse committee of stakeholders and experts will be reviewing hospital's equity plans and continuing to advise HCAI on the administration of this program. Read more about this program and how you can participate with this important public committee: <https://www.hcai.ca.gov/data/health-care-equity-measures-reporting-program/hospital-equity-measures-advisory-committee>.

HCAI - Beyond Facility Design & Development

HCAI Data & Reports
<https://www.hcai.ca.gov/data/health-care-equity-measures-reporting-program>

Cost Transparency
 Hospital websites list their rates, charges, and associated fees, and allow patients and providers to compare costs across hospitals.

Healthcare Facility Attributes
 Facilities like location, safety, and amenities are important factors for patients and providers.

Healthcare Utilization
 How and when patients use health services, including hospitalizations and emergency department visits.

Health Workforce
 Information about healthcare professionals and staff, including their education, training, and skills.

Healthcare Quality
 Reports on patient care quality, including patient safety, patient experience, and clinical outcomes.

Data Resources
 Resources for data collection, analysis, and reporting, including HCAI's data portal and other relevant datasets.


About HBSB

- Board members + OSHPD staff
- The HBSB committees
- HBSB goals
- What's happened at recent meetings
 - This is an opportunity to share recent publications, such as advisory guides
 - ISU tip of the day
 - FPU updates
- Resources – links to manuals, advisory guides, PINS, CANs, webinars, Tip of the Day, etc.

About HBSB

The Board is comprised of:

- 16 Board members appointed by the Director of HCAI www.hcai.ca.gov/AboutHBSB/AboutHBSB2014-16.aspx
 - 2 architects
 - 2 structural engineers
 - 1 one engineering geologist
 - 1 geotechnical engineer
 - 1 mechanical engineer
 - 1 electrical engineer
 - 1 hospital facilities manager
 - 1 local building official
 - 1 general contractor
 - 1 fire and panic safety representative
 - 1 hospital inspector of record
 - Three more are appointed as public members
 - The appointed Board members serve 4-year terms with a maximum of two terms
 - 6 statutory ex-officio members, representing state agencies whose programs interface with the hospital design and construction program: Director of the Department of Health Care Access and Information, the State Fire Marshal, the State Geologist, the Executive Director of the California Building Standards Commission, the State Director of Health Services, and the Deputy Director of the Office of Statewide Hospital Planning and Development
 - 3 additional ex-officio members appointed by the Director of HCAI as desired



About HBSB

The Board + OSHPD:

- HBSB Executive Director
- HBSB support staff
- OSHPD staff including
 - Deputy Director
 - Deputy Division Chiefs
 - Chief Fire Life Safety Officer
 - Building Standards Unit
 - Fire Prevention Unit
 - Inspections Unit
 - Building Safety Staff (plan review & field compliance)
 - OSHPD Support Staff




About HBSB

HBSB Committees:

- Codes & Processes
- Education & Outreach
 - E&O Off-Site Profabrication Components Webinar Development Subcommittee
- Energy Conservation & Management
- Instrumentation
- Structural & Non-Structural Regulations
- Technology & Research

HBSB Committee Goals:


- Review Title 24 code changes & identify modification to support implementation of building standard codes, update CANs & PINs, review eTIO
- Develop seminars & webinars & design guide(s)
- Present webinars on emerging technologies & methodologies
- Identify HCAI research projects for energy conservation, reduction of carbon footprint, and cost savings; Consider systems and monitoring devices; Purge indoor air; Optimize water usage; Efficiency/Sustainability; Publish whitepapers on microgrids
- Create whitepapers on seismic instrumentation
- Support HCAI; develop pre-approved details, seismic compliance
- Discuss emerging technology, the impact on the built environment & how HCAI can educate/support emerging technology
- Committee goals <http://www.hcai.ca.gov/AboutHBSB/AboutHBSB2014-16/CommitteeGoals.pdf>
- Upcoming HBSB meetings <http://www.hcai.ca.gov/AboutHBSB/AboutHBSB2014-16/CommitteeGoals.pdf>



What's Happening in the HBSB

Recent Meetings Include:

- Full Board:
 - OSHPD's Mission & Value + OSHPD strategy map
 - OSHPD rallying cry: Serving together! Providing together! Building together! Smarter together!
 - Data on IORs: 780 eligible, 360 working, survey showed IORs prefer website for hospitals to find/solicit IORs, half of inactive IOR survey respondents indicated no longer interested in continuing working as an IOR, survey illustrated the gap is connecting facilities and IORs (the HBSB has an IOR Board member)
 - Microgrids, Inspect to Pass, Plan Review Data, eTIO
 - OSHPD internal training for FLSO, CO & field SE



Questions?



Item #12

Comments from the Public/Committee Members on Issues not on this Agenda

The Committee will receive comments from the Public/Committee Members. Matters raised at this time may be taken under consideration for placement on a subsequent agenda.

Facilitator: Scott Mackey (or designee)

Future Education and Outreach Committee meetings:

- April 23, 2025
- August 6, 2025
- September 24, 2025

Item #13 Adjournment